

### ABSTRACT OF THE DISCLOSURE

A channel equalizer includes an equalizer filter for correcting an error upon receipt of a signal transmitted by a sending end, a DD slicer for calculating a first error upon receipt of the corrected signal from the equalizer filter, a Sato slicer for calculating a second error upon receipt of the corrected signal from the equalizer filter, and a DD error size calculation unit for taking the absolute value of the real part and imaginary part of the first error calculated from the DD slicer and summing these absolute values.